

## BMS School of Architecture, Yelahanka (Bengaluru)

- Presents **National Online Faculty Development Program on**

# CARBON NEUTRALITY IN CONSTRUCTION AND BUILT ENVIRONMENT

18 Aug - 22 Aug 2025 from 2:30PM - 05:45PM

### PREAMBLE:

World is experiencing a climate change, and the impact is being felt globally. Climate change refers to long term warming of the planet due to an increase in average global temperatures primarily caused by human activities such as burning fossil fuels, deforestation, land use changes, industrial processes and transportation. Construction sector significantly contributes to global warming primarily due to the Carbon emissions. It accounts for around 39% of global carbon emissions from the activities and processes involved throughout the life cycle of a project. It is imperative to reduce the carbon footprint of the projects and aim for a carbon neutral built environment.

Architects are mainly associated with design and creation of built environment. The amount of carbon emitted in the environment significantly depends on the site planning, development, design of the buildings, technology adopted for the construction and the materials used in the project. It will have impact on the carbon emission from the activities performed during construction phase as well as in the operational phase of the buildings. Architects can play a vital role in reducing the carbon footprint of the building by strategizing appropriately for Carbon Neutral Built Environment. This FDP will focus on the various aspects associated with the theme "Carbon" its emission, reduction, sequestration and credits, mechanism administration etc. The knowledge gained in the FDP will be much helpful to the faculty in orienting their academic delivery of various relevant subjects in line with the SDGs related to Carbon neutrality in the built environment.

### KEY TAKE AWAYS FOR PARTICIPANTS:

- Enhanced understanding of the challenges posed by climate change to the built environment.
- Practical knowledge of carbon reduction strategies at the building and neighbourhood levels.
- Familiarity with the latest technological advancements in carbon capturing and utilization.
- Ability to integrate concepts of circularity and carbon neutrality into teaching, research, and practice.

### NOTES:

- Teachers/ architects who wish to register for the training program either under Collaborative Training Program (CTP 2023-24) or as independent individuals may do so by filling up the Google form available on the given link.
- To confirm registration, kindly upload proof of payment towards the registration fees /nomination form on college letterhead before submitting the registration form.
- Link to join the program will be shared one day prior to the program
- This program is not for students.
- E-Certificate of said training program shall be send via email on registered email id of participants, after successful completion of training program by participant i.e.attending all sessions and submitting all assignments, EOPT and feedback form of training program.

### REGISTRATION:

- Registration fees: Rs.1,500/- (Rupees One thousand five hundred only).
- Use the Link to register: <https://forms.gle/Ao4XS2JH9E7PZRseA>
- Use the Link for online payment:  
<https://eazypay.icicibank.com/eazypay/Link?P1=K00kQYjNFb8LZHkyuUDx6Q==>
- Colleges may nominate faculty under CTP 2023-24 and 2024-25
- Use Link for Nomination form under CTP 2023-24 and 2024-25 :  
[https://drive.google.com/file/d/1NUWCckxuXdABP44kxCETJmRUnWIRHKK/view?usp=drive\\_link](https://drive.google.com/file/d/1NUWCckxuXdABP44kxCETJmRUnWIRHKK/view?usp=drive_link)



**Dr. Iyer Vijayalaxmi Kasinath**  
Professor, School of Planning & Arch., Vijayawada  
Topic : Climate change, Its impact on the built environment, Related UN SDGs



**Er. Vijay Kulkarni**, Founder  
Director, Low Carbon Construct Forum, Pune  
Topic : Carbon Neutrality, Need to reduce carbon in building sector, Strategies.

18 Aug  
2025



**Dr. Chandrashekar Chincholkar**  
Founder CEO, CMK Advisors LLP, Pune, India  
Topic : Concept of Carbon Credits, Mechanism of Administration, Trading & Carbon Offsetting



**Dr. Poorva Keskar**, Principal,  
SMEF'S Bricks School of Architecture, Pune  
Topic : Building Level Design Strategies for Carbon Reduction

19 Aug  
2025



**Ar. J. P. Rout**, VP Surmount  
Energy Solutions Pvt. Ltd., Navi Mumbai  
Topic : Net Zero Carbon Buildings/ Complex /Communities – Case study



**Ar. Ankit Bhalla**, Manager,  
GRIHA Council, New Delhi  
Topic : Carbon Footprint Assessment, Tools, Techniques and Certification

20 Aug  
2025

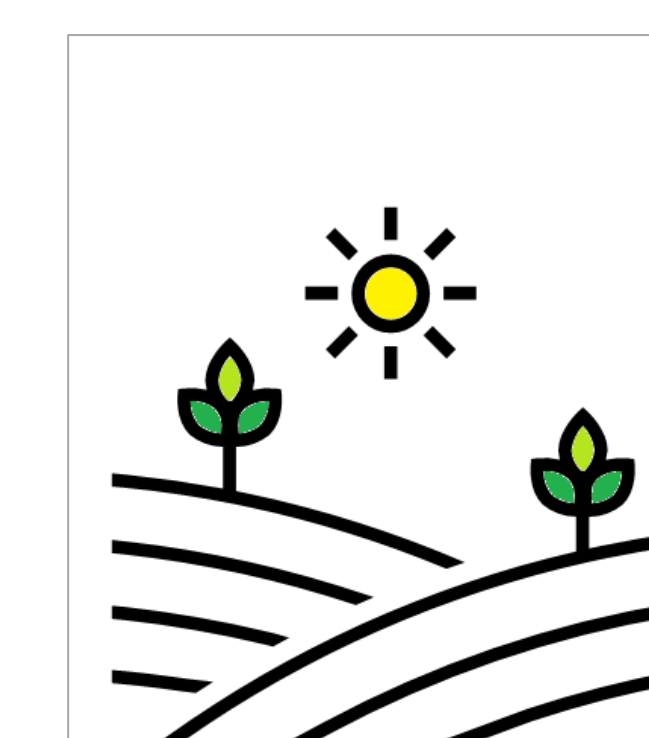


**Dr. Roshni Udyavar Yehuda**,  
CEO, RUA Ecospaces LLP, Mumbai  
Topic : Neighbourhood Level Strategies for Planning and Designing Carbon Neutral Localities



**Dr. Bhakti More**, Chairperson  
& Professor, SOAD, MAHE, Dubai  
Topic : Building Level Strategies for Carbon Reduction through Materials and Construction Techniques

21 Aug  
2025



Topic : Technological Advancements in Carbon Capturing, Utilisation and Storage



**Mr. Venugopal R.**, Founder,  
Climacto Sustainability Services LLP  
Topic : Circularity in Construction and Built Environment, Future Trends and Prospects

22 Aug  
2025

### CONVENOR

**Prof. Jayashree Deshpande**  
Director, COA - TRC, Pune

### PROGRAM COORDINATOR

**Dr. Shaila Bantanur**  
Director, BMSSA

### ONLINE COORDINATOR

**Ar. Shashank Chakradeo**  
Professor, BMSSA  
E: [shashank.chakradeo@bmssa.ac.in](mailto:shashank.chakradeo@bmssa.ac.in)

### ONLINE COORDINATOR

**Ar. Renjin Cherian**  
Asst.Professor, BMSSA  
E: [renjincherian@bmssa.ac.in](mailto:renjincherian@bmssa.ac.in)